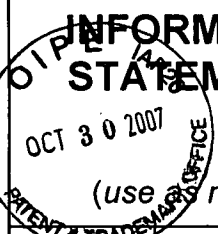


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| | | | | First Named Inventor | Mills |
| | | | | Group Art Unit | 2881 |
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| Sheet | 21 | of | 28 | Attorney Docket Number | |

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| Examine r Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² | |
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Application Number 09/513,768

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| | | 54. Mills et al., "Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Catalysts," J. Phys. D, Applied Physics, Vol. 36, (2003), pp. 1504-1509. (Internet Publication Date: March 20, 2002) also submitted to Chem Phys. Letts. | |
| /NW/ | | 53. Mills, "A Maxwellian Approach to Quantum Mechanics Explains the Nature of Free Electrons in Superfluid Helium." Braz. J. Phys, submitted. (Internet Publication Date: June 4, 2002) | |
| Examiner Signature | /Nikita Wells/ (02/02/2008) | | Date Considered |
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| | | | | Filing Date | 02/25/2000 |
| | | | | First Named Inventor | Mills |
| | | | | Group Art Unit | 2881 |
| | | | | Examiner Name | Wells |
| Sheet | 31 | of | 38 | Attorney Docket Number | |

| — NON PATENT LITERATURE DOCUMENTS | | | |
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| /NW/ | | 52. Mills et al., "Bright Hydrogen-Light Source due to a Resonant Energy Transfer with Strontium and Argon Ions," New Journal of Physics, Vol. 4, (2002), pp. 70.1–70.28. (Internet Publication Date: October, 2002) | |
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| | | 49. Mills et al., "Comparison of Excessive Balmer Line Broadening of Inductively and Capacitively Coupled RF, Microwave, and Glow Discharge Hydrogen Plasmas with Certain Catalysts," IEEE Transactions on Plasma Science, Vol. 31, No. 3, (2003), pp. 338–355. | |
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| | | 47. H. Conrads, R. Mills, Th. Wrubel, "Emission in the Deep Vacuum Ultraviolet from a Plasma Formed by Incandescently Heating Hydrogen Gas with Trace Amounts of Potassium Carbonate," Plasma Sources Science and Technology, Vol. 12, (2003), pp. 389. | |
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| /NW/ | | 45. Mills et al., "Synthesis and Characterization of a Highly Stable Amorphous Silicon Hydride as the Product of a Catalytic Helium-Hydrogen Plasma Reaction," Int. J. Hydrogen Energy, Vol. 28, No. 12, (2003), pp. 1401–1424. (Internet Publication Date: April 15, 2002.) | |
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| | | | Group Art Unit | 2881 | |
| | | | Examiner Name | Wells | |
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| Examine r Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² | |
| /NW/ | | 44. Mills, et. al. "Synthesis and Characterization of Lithium Chloro Hydride", <i>International Journal of Hydrogen Energy</i> , submitted. (Internet Publication Date: January 7, 2002.) | | |
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| | | 39. Mills et al., "Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride Ion Formed by an Exothermic Catalytic Reaction of Atomic Hydrogen and Certain Group I Catalysts," <i>J. Phys. Chem. A</i> , submitted. (Internet Publication Date: Nov. 13, 2001.) | | |
| | | 38. Mills et al., "Highly Stable Novel Inorganic Hydrides from Aqueous Electrolysis and Plasma Electrolysis," <i>Electrochimica Acta</i> , Vol. 47, No. 24, (2002), pp. 3909–3926. (Internet Publication Date: June 13, 2002.) | | |
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| Examiner Signature | /Nikita Wells/ (02/02/2008) | | Date Considered | 02/02/2008 |

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| | | | First Named Inventor | Mills | |
| | | | Group Art Unit | 2881 | |
| | | | Examiner Name | Wells | |
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| /NW/ | | 36. Mills et al., "Emission Spectroscopic Identification of Fractional Rydberg States of Atomic Hydrogen Formed by a Catalytic Helium-Hydrogen Plasma Reaction," Vacuum, submitted. (Internet Publication Date: Oct. 9, 2001.) | | |
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| | | 8. Mills et al., "Synthesis and Characterization of Novel Hydride Compounds," Int. J. of Hydrogen Energy, Vol. 26, No. 4, (2001), pp. 339-367. (Internet Publication Date: June 13, 2001.) | |
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| /NW/ | | 4. Mills et al., "Fractional Quantum Energy Levels of Hydrogen," Fusion Technology, Vol. 28, No. 4, November, (1995), pp. 1697-1719. (Internet Publication Date: Nov. 1, 2001.) | | |
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| | | Mills, "Classical Quantum Mechanics." <i>Physica Scripta</i> , submitted. | | |
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| | | Mills, et. al. "Excess Heat Production...Cold Fusion." <i>Fusion Technology</i> , Vol 20, Feb 1991, pp. 65-81. | | |
| /NW/ | | Mills, et. al. <i>Fusion Technol.</i> Vol.20, 65 (1991). Internet Publication Date 4/11/01 | | |
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PTO/SB/08B (Modified)

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| /NW/ | | Mills, "Author's response 'A possible trick of Hydride atom'," <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, p. 1225. | | |
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| | | Mills, "Hydro catalysis Power Technology," <i>Statement of Dr. Randell L. Mills</i> , May, 1993. | | |
| | | Mills, "The Grand Unified Theory of Classical Quantum Mechanics," pp. 1-9 | | |
| | | Mills, "Unification of Spacetime, the Forces, Matter, Energy, Hydro catalysis Power Corporation," 1992, pp. 53-84. | | |
| | | Mills, "Author's response to 'Hydrino atom: novel chemistry or invalid physics'," <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, pp. 1233. | | |
| | | Mills, "Author's response to 'Hydrino theory- a proposed amendment'," <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, pp. 1229-1231. | | |
| | | Mills, "Power Spectrum of the Cosmic Microwave Background" <i>BlackLight Power, Inc.</i> 2001. | | |
| /NW/ | | Mills, "The Grand Unified Theory of Classical Quantum Mechanics," pp. 13-14, BlackLight Power, Inc., pp. 433-440, 2001. | | |
| Examiner | /Nikita Wells/ (02/02/2008) | | Date | 02/02/2008 |

ATTACHMENT A

| | | Date(s) | Compensation Arrangements | Cash Payments Made | Options Issued | Shares Owned |
|---|----------------|---|------------------------------------|--------------------|--|-------------------------------|
| AKHTAR (Employee) | Dr. Kamran | - | Employee Salary | - | EE Options Only | None |
| BALDWIN (NASA) | Dr. R. | - | - | - | None | None |
| BONIFACE (Chalk River Labs) | Dr. H.A. | - | - | - | None | None |
| BRADFORD (PSU Student) | Dr. Michael | 9/13/1994 | Ad Hoc/ One-time Only | 9/13/1994 | None | None |
| CHANG (Employee) | Dr. Zhixiang | - | Employee Salary | - | EE Options Only | None |
| CHEN (EE & Consultant) | Dr. Chun-Ku | 6/1/04-5/31/05 | \$50/hour | 2/7/2005 | EE Options Only | None |
| CHEN (Employee) | Dr. Xuemin | - | Employee Salary | - | EE Options Only | None |
| CLARK (INP Greifswald) | Dr. H.R. | - | - | - | None | None |
| CONRADs (INP Greifswald transferred agmmt to Conrad) | Dr. Johannes | 8/4/99-9/23/05 | 2 wire transfers | 2/14/00 6/12/01 | Options granted from 9/9/96 to 8/5/97; some options expired; some options exercised 9/7/06 | Some options exercised 9/7/06 |
| CRAIG | Dr. W.Y. | - | - | - | None | None |
| CRAW-IVANCO (Chalk River Labs) | Dr. M.T. | - | - | - | None | None |
| DAYALAN (Employee) | Dr. Ethirajulu | - | Employee Salary | - | EE Options Only | None |
| DHANDAPANI (Employee) | Dr. Bala | - | Employee Salary | - | EE Options Only | None |
| DONG (EE & Consultant) | Dr. Jinquan | 7/30/03-1/31/04 2/1/04-7/31/04 11/16/04-5/1/505 | \$35/hour \$45/hour \$45hour | 2/28/02 8/20/03 | EE Options Only | None |
| ECHEZURIA (Employee) | Alejandra | - | Employee Salary | - | EE Options Only | None |
| FRALICK (Semitech) | Dr. G.C. | - | - | - | None | None |
| FUELLING (U Nevada) | Dr. Stephan | - | - | - | None | None |
| GAMBERALE | Luca | - | - | - | None | None |
| GERNERT (Thermacore) | Dr. N.J. | - | - | - | None | None |
| GOOD (EE & Officer) | William | - | Employee Salary | - | EE & Officer Options Issued Beginning 9/1/92 | Shares Owned Beginning 1991 |

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|---|-------------------|--|---|--------------------------------|--|---|
| GREENIG (EE & Consultant) | Nelson | 11/1/01-10/31/02 11/1/02-10/31/03 3/8/04-3/7/05 3/8/05-3/7/06 3/8/06-3/7/07 3/8/07-3/7/08 | \$50/hour \$50/hour \$50/hour \$50/hour \$50/hour \$50/hour | 7/19/95 4/27/01 10/14/02 | EE Options Only | None |
| HALDEMAN (MIT Lincoln Labs) | Dr. C.W. | - | - | - | None | None |
| HE (Employee) | Dr. Jiliang | - | Employee Salary | - | EE Options Only | None |
| HICKS (Employee) | Steven | - | Employee Salary | - | EE Options Only | None |
| HILBORN (Chalk River Labs) | Dr. J.W. | - | - | - | None | None |
| ISELER (MIT Lincoln Labs) | Dr. G.W. | - | - | - | None | None |
| JACOX (INEL) | Dr. Michael | - | - | - | Options granted 9/9/96 to 3/3/97; all options expired | None |
| JANSSON (Rowan U) | Dr. Peter M. | 6/10/02-10/31/02 (contract) | \$100 \$10 | 10/17/97 12/31/2002 | None | Purchased shares 7/2/97; gifted to ex-wife and son 5/1/07 |
| KNEIZYS | S. | - | - | - | None | None |
| KRYUKOV (Moscow Power Engineering Institute) | Dr. A.P. | - | - | - | None | None |
| KURTZ (PSU) | Dr. Stewart | - | - | - | Options granted 9/9/96 to 11/8/02; some expired | None |
| LEE (U of Ohio) | Dr. Jang-Jung | - | - | - | None | None |
| LU (EE & Consultant) | Dr. Ying | 8/6/01 5/9/03-5/16/03 5/27/03-5/30/03 5/30/03-6/30/03 7/1/03-7/31/03 8/1/03-1/30/04 | \$100/hour \$80/hour \$80/hour \$45/hour \$45/hour \$45/hour | 10/01/01 5/23/03 | EE Options Only | None |
| MARCHESE (Rowan U) | Dr. Anthony J. | 6/10/02-10/31/02 (contract) | \$10 non-material | 12/31/2002 | None | None |
| MAYO (EE & Consultant) | Dr. Robert | 6/8/01-8/8/01 | \$50/hour | 7/23/2001 | EE Options Only | None |
| MEYERS (NASA) | Dr. I. | - | - | - | None | None |
| MILLER (Lehigh U) | Dr. Alfred | - | \$250 | 6/12/1997 | Options granted 9/9/96 to 3/3/97; all options expired | None |

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|--|---------------|--|---|-------------------|---|---|
| MILLS (EE & Director) | Dr. Randell | - | Employee Salary | - | EE & Director Options Issued Beginning 9/9/96 | Shares Owned Beginning 1991 |
| NANSTEEL (EE & Consultant) | Dr. Mark W. | 3/30/05-3/29/06 3/30/06-3/29/07 3/30/07-8/31/08 | \$80/hour \$80/hour \$80/hour | 8/24/2005 | EE Options Only | None |
| NESTEROV (Moscow Power Engineering Institute) | Dr. S.B. | - | - | - | None | None |
| NIEDRA (NASA) | Dr. J. | - | - | - | None | None |
| NONINSKI (Brookhaven) | Dr. V. | - | - | - | None | None |
| ONUMA (Employee) | Dr. Takeyoshi | - | Employee Salary | - | EE Options Only | None |
| PACIFICORP | | - | - | - | Options granted 4/7/97 to 4/27/98; some options expired | Purchased shares 9/20/96 & 7/2/97; transferred all shares to ScottishPower Ventures, Inc. 6/21/07 |
| PETERSON (Westinghouse) | Dr. S.H. | - | - | - | None | None |
| PHILLIPS (PSU, UNM, LANL) | Dr. Jonathan | 2/1/96-1/31/97 1/1/97-4/30/97 3/15/00-3/18/00 10/8/01-4/8/02 4/8/02-10/8/02 10/9/02-10/8/03 10/9/03-10/8/04 10/9/04-10/8/05 10/9/05-10/8/06 10/9/06-10/8/07 | \$100/hour Options Only \$5,000 \$125/hour \$125/hour \$125/hour \$100/hour \$100/hour \$100/hour \$100/hour | 4/26/95 5/9/00 | Options granted 9/9/96-1/14/06; some options exercised | Some options exercised 9/1/06 & 2/20/07 |
| RAY (Employee) | Dr. Paresh | - | Employee Salary | - | EE Options Only | None |
| SANKAR (EE & Consultant) | Dr. Jayasree | 3/17/03-3/16/04 3/22/04-3/21/05 | \$50/hour \$50/hour | - | EE Options Only | None |
| SAVOYE (MIT Lincoln Labs) | Dr. G.W. | - | - | - | None | None |
| SCHARER (U Wisconsin) | Dr. John | 1/5/05-1/4/06 1/5/06-1/4/07 1/5/07-1/4/08 | \$800/day \$100/hour \$110/hour | 11/14/2005 | None | None |
| SCHMALZEL (Rowan U) | Dr. John L. | 6/10/02-10/31/02 (contract) | \$10 non-material | 12/31/2002 | None | None |
| SHANNON (Employee) | Tina | - | Employee Salary | - | EE Options Only | None |
| SHAUBACH (Thermacore) | Dr. R.M. | - | - | - | None | None |
| SIMMONS (Lehigh U) | Dr. G. | - | - | - | None | None |
| TREMBLAY (Chalk River Labs) | Dr. R.P. | - | - | - | None | None |

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|----------------------------|-------------|-----------------|--------------------|---|--------------------|------|
| TURNER (Spectral Data) | Dr. Gary L. | - | - | - | None | None |
| VOIGT (EE & Consultant) | Dr. Andreas | 8/27/04-8/26/05 | \$50/hour | - | EE Options Only | None |
| WATTS (INEL) | Dr. K.D. | - | - | - | None | None |
| WEISMANN | Dr. H. | - | - | - | None | None |
| WIESMANN | Dr. H. | - | - | - | - | - |
| WRUBEL (INP Greifswald) | Dr. Th. | - | - | - | None | None |
| ZEA (Employee) | Dr. Hugo | - | Employee Salary | - | EE Options Only | None |

ATTACHMENT B

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| Internet Discussion Forum, "Zimmerman's APS Centennial Meeting Talk," Transcript from Peter Zimmerman and Tom Stolper, October 29, 2003 (see Attachment H) |
| Internet Discussion Forum, "Zimmerman's APS Centennial Meeting Talk," Transcript from Tom Stolper, October 28, 2003 (see Attachment H) |
| Internet Discussion Forum, "HSG: Even skeptics can lose objectivity," Transcript from Steve Menton, October 26, 2003 (see Attachment H) |
| Internet Discussion Forum, "HSG: Zimmerman's Insincere Questions," Transcript from Peter |

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| Zimmerman and Steve Menton, September 25, 2003 (see Attachment H) |
| Internet Discussion Forum, "Re: Re: Zero Electrostatic Self-Interaction Justified," Transcript from Peter Zimmerman, May 22, 2003 http://groups.yahoo.com/group/hydrino/message/6052 (see Attachment H) |
| Internet Discussion Forum, "HSG: Re: Bool Review by Dr. John Farrell," Transcript from Peter Zimmerman, February 23, 2004 (see Attachment H) |
| "Regarding PZ's Departing Post," includes many public posts on hydrino study group. pp 1-75 (see Attachment I) |
| PARK, "Perpetual Motion: Still Going Around," Special to the Washington Post, January 12, 2000, Page H03 (see Attachment J) |
| Letter from Jeffrey S. Melcher to Ms. Esther Kepplinger with Attachments A-E, January 19, 2001(see Attachment K) |
| PLATT, "Testing the Current," The Washington Post, June 25, 2000, Page X05 (see Attachment M) |
| USPTO Communication re Interview scheduled for February 21, 2003, February 12, 2001(see Attachment N) |
| Letter from Senator Ron Wyden to The Honorable Todd Q. Dickinson with attachments, April 5, 2000 (see Attachment O) |
| Letter from Senator Robert G. Torricelli to Nicholas P. Godici with attachments, July 20, 2001(see Attachment O) |
| Letter from Senator Jon S. Corzine to The Honorable Todd Q. Dickinson with attachments, August 2, 2001 (see Attachment O) |
| Letter from Senator Max Cleland to Ms. Jane Cooksey with attachments, March 24, 2000 (see Attachment O) |
| Letter from Senators Max Cleland and Ron Wyden to Chairman Patrick Leahy, December 20, 2001 (see Attachment O) |
| Letter from Senators Max Cleland and Ron Wyden to The Honorable Donald L. Evans, December 20, 2001 (see Attachment O) |
| Letter from Senators Jon S. Corzine and Robert G. Torricelli to The Honorable Donald L. Evans, December 21, 2001 (see Attachment O) |
| Email re Interview Summary from Jeffrey Simenauer to Ted Liu, February 13, 2003 (see Attachment P) |

"APS E-Board Pases Resolution on Perpetual Motion Machines," APS NEWS ONLINE, August/September 2002, <http://www.eps.org/aps/apsnews/0802/080212.html> (see Attachment Q)

Letter from Elizabeth Barlow to John Allen, March 17, 2004 (see Attachment R)

Letters from John Allen to Office of Counsel, US Department of Commerce with attachments, May 12, 2003, June 7, 2003, and March 10, 2004 (see Attachment R)